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University of Denver Bulletin

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VOL. 21 MARCH, 1920 No. 3

SUMMER SCHOOL

Twentieth Year

June 21 to July 30,

1920

All Standard College Subjects and Many New Courses Which Are Now Much in Demand

Graduates of This University Are Granted State Diplomas Without Examination

UNIVERSITY HALL

A Mile Above the Sea

Denver is one mile above the sea. It has a charming climate, with over three hundred sunshiny days per annum, clean streets, fine homes built of stone and brick and terra cotta and tile, glorious public buildings and great commercial establishments. It is in fact the educational, the financial, the commercial, the social and the religious metropolis of the vast Rocky Mountain region.

The parks of the city of Denver have enough beauty and charm to keep one engaged exploring them for weeks. The Denver Mountain parks and the Rocky Mountain National Park and hundreds of other charming resorts are all easily accessible.

Excursions into the mountains from Denver are as exhilarating as excursions in Switzerland. Colorado is coming to be recognized as the playground of America and Denver is the central point from which one may easily reach all the beauty spots of the Rocky Mountain country.

There are enough of the one-day excursions leaving Denver at eight in the morning and returning at six in the evening to more than fill the Saturdays of the Summer Session. They each travel many miles of mountain roads through the grandest scenery of America, and give opportunity for picnic dinners near the perpetual snow banks and for mountain climbing and wild flower gathering.

There is only one University in Denver. It is the pioneer school of higher learning in Colorado. The University has now 3,772 graduates. Teachers in increasing numbers are coming to study in the Summer School of the University of Denver for the reason that they can here secure strong courses of study and at the same time have, at the week ends, the privileges of a variety of outings of unusual charm and fascination.

The University will have all necessary information about roads and delightful places to be visited. The Chancellor's office will be a bureau of information where publications of the Tourist Bureau and the mountain resorts can be secured.

Denver offers many fine opportunities to lovers of music. Free public recitals are given each day on the great organ at the Auditorium. This is one of the finest organs in America, and these concerts are a great treat. Band concerts are given daily at the Parks.

At the middle of this Bulletin will be found four pages (with pictures) containing information about excursions into the mountain parks.

University of Denver
Summer School

The twentieth session of the Summer School of the University of Denver opens on June 21 and closes on July 30, 1920, covering a period of six weeks. Courses in all the regular college subjects will be taught and also a number of special courses of great professional interest to teachers. From the great variety of courses offered, students can readily select work which will be both interesting and profitable. The only restriction placed on the selection of studies is that a student must have had such preparation for a given course as will enable him to carry it with profit.

All of the subjects are taught in the most thorough manner. The faculty is made up largely of the professors from the regular session who are all specialists in their respective departments. They have each received the best of training and preparation for their work and through years of experience have proved that they are experts. In addition to the regular staff, prominent educators who have demonstrated their ability have been invited to offer work in their specialties.

The Summer School is an integral part of the college year and all work satisfactorily completed in it counts toward University degrees. Students who have been unable to complete their work in the regular sessions have in the Summer School the opportunity to finish their courses and receive their degrees. By availing themselves of these opportunities, students may shorten the usual four-year period of the college course, and students who have already received their Bachelor's degree may earn in the Summer Sessions the Master of Arts degree, and also keep abreast of the new things of the educational world.

Each class meets for recitations or lectures five times per week, and on completion of the six weeks' term gives two semester hours' credit. Recitations and lectures are one hour in length and are held during the forenoon hours. No work is scheduled for Saturday or Sunday. On Sunday students are urged to avail themselves of the services held in the different churches of Denver. Saturday may be used for study, or excursions into the near-by mountains.

A series of popular and illustrated lectures and travelogues is offered in connection with the Summer School. These are given in the Chapel in University Hall and Chemical Lecture Room at the noon hour. This hour has

proved by experience to accommodate the largest number of students, as it leaves the afternoon free for study and laboratory work. No admission is charged for these lectures. All students and friends of the University are invited.

Under the laws of Colorado, graduates of the University of Denver receive a diploma permitting them to teach in the schools of Colorado without taking the teachers' examinations, providing that they have taken, as part of their college course, twenty semester hours of professional training. This professional training must include work in at least two of the five following groups of subjects: General and Educational Psychology; History of Education; Science and Principles of Education; Organization and Management of the School; and Philosophy, Sociology, and Anthropology. It must also, in all cases, include the course in Practice Teaching. The Rules of the State Board of Examiners definitely state that in no case will teaching experience be accepted in lieu of the course in Practice Teaching. They also provide that this course must be taken while the candidate is a senior or graduate student.

The University has very well equipped laboratories in Biology, Chemistry and Physics. Everything desired for the study of these subjects is provided and students may use these laboratories at any time between 8:00 A. M. and 5:00 P. M. Students doing work in these laboratories pay a small fee to cover the cost of material used.

The Library will be open every day during the Session. The University has a library of over 17,000 carefully selected volumes, not including unbound pamphlets. The Library is

THE LIBRARY

also a branch of the Denver City Library and books may be obtained through this branch.

Books from the Denver City Library needed for reference in any of the classes may be held at the University throughout the Session.

In addition to the University Library and the Denver City Library students have free access to the Library of the Colorado Scientific Society in the State Museum Building and the State Library in the Capitol Building. These different libraries give to our students exceptionally fine opportunities.

THE CHAMBERLIN OBSERVATORY

The great telescope of the Chamberlin Observatory is twenty-six feet in length and the diameter of its object glass is twenty inches. It is the finest University astronomical station between the Yerkes Observatory of the University of Chicago and the Lick Observatory of the University of California. The observatory will be open to students of the Summer School, free of charge, on all clear Tuesday evenings during the Session.

The tuition for the Summer School of six weeks is $8.00 for each study taken, except that for the course in Practice Teaching, which counts for four semester hours credit, the fee is $16.00.

BOARD AND ROOM

Furnished rooms may be obtained in private homes near the University at prices ranging from $8 to $15 per month. Templin Hall, the

TEMPLIN HALL

women's dormitory, will be open and offers rooms at the above prices. Board can be secured at Templin Hall at $7 per week.

Faculty of Summer School for 1920

HENRY AUGUSTUS BUCHTEL, A.M., D.D., LL.D.
Chancellor.

WILBER DWIGHT ENGLE, A.M., Ph.D., Sc.D.
Vice-Chancellor.
Director of Summer School.
Professor of Chemistry.

HERBERT ALONZO HOWE, A.M., Sc.D., L.L.D.
Dean, and Professor of Astronomy.
Director of the Chamberlin Observatory.

HERBERT EDWIN RUSSELL, A.M., Sc.D.
Professor of Pure Mathematics.

IRA EUGENE CUTLER, A.M., LL.D.
Professor of Biology.

WILBUR FLETCHER STEELE, A.M., S.T.D.
Professor of English Bible and Religion.

REUBEN EDSON NYSWANDER, A.M., Ph.D.
Professor of Physics.

DAVID SHAW DUNCAN, A.M., B.D., Ph.D.
Professor of History.

JOHN AMHERST SEXSON, Ped.M., A.B., Major, U. S. A.
(Superintendent of Schools, Sterling.)
Professor of Education.

STOWE SYLVESTER PHILLIPS, A.M.
Assistant Professor of Education.

FRANK DICKINSON, A.M.
Professor of Philosophy.

EDMUND D. CRESSMAN, Ph.D.
Professor of Latin and English.

JAMES W. WHALER, A.M.
Professor of English.

HARRY T. CLUXTON, A.M.
(Principal of Cheltenham School of Denver.)
Principal of School of Practice Teaching.

WILLIAM ALFRED WHITE
(Supervisor of Music,
Denver Public Schools.)
Professor of Public School Music.

JESSIE M. HAMILTON, A.B.
(Principal of Aaron Gove
Junior High School, Denver.)
Assistant Professor of Education.

MARY GIDDINGS CARSON
(Principal of Gilpin School, Denver.)
Assistant Professor of Education.

ALFRED EDGAR LEACH, A.B.
(Professor of Public Speaking,
Baker University.)
Acting Professor of Public Speaking.

JOSEPH THIERRY, A.B.
(Director of French at Camp Dodge.)
Acting Professor of French.

HALLIE LUCILE CARTER, A.B.
(Physical Director, Manual
Training High School, Denver.)
Instructor in Physical Education.

EARL AGARD ENGLE, A.M.
Instructor in Chemistry.

IDA BOHANNON, B.S.
Instructor in Spanish.

FLORENCE DELL STOUDER, A.B.
Instructor in Chemistry.

JENETTE H. BOLLES, A.M., D.O.
Lecturer on Anatomy.

GEORGE BEDELL VOSBURGH, A.M.,
Ph. D., D.D. Lecturer.

OWEN BERTRAM TROUT. A.M.
Registrar.

SIDNEY RUSHMORE COLLINS,
Secretary of the University.

ROSE ADELAIDE WISHART, A.B.
Librarian.

CORNELIA BARLOW GRACE,
Secretary to the Chancellor.

Courses of Instruction

The various courses of study which will be taught in the Summer Session of 1920 are here outlined. In addition to the courses which have been most in demand during the previous years, a number of very attractive new courses are offered. It is the purpose of the University to offer to its summer students as many studies as possible from which to make their selection and in the event that any course not here offered should be desired by a number of students, arrangements for teaching it will be made. It should be remembered that the Summer Session is an important part of the University work and that the regular laboratories and libraries are open for use.

A General Assembly of the students and faculty of the Summer School will be held each Tuesday at 10:00. On these days, the third and fourth hour lectures and recitations will meet at 10:30 and 11:30 respectively.

ASTRONOMY

Dean Howe

Advanced Astronomy. Practical astronomy for students who have a fair knowledge of spherical trigonometry and differential calculus. For work in the Observatory with the use of the instruments, a special fee will be charged. For further information write Dean H. A. Howe, University of Denver.

BIBLE

Professor Steele

The English Bible as Literature. Moulton, *Modern Readers' Bible,* will be used as textbook. The Old Testament, and particularly Job, the Psalms, and Proverbs will be studied. Emphasis will be laid upon the literary unities, from which the thought of the writers can best be understood and valued. The importance of this course is best understood when one considers the extent to which many of the "Best Sellers" are intelligible only to those versed in the Bible. All the best literature is saturated with biblical allusions and quotations. The School of Journalism at Columbia University requires intensive study of the English Bible for two years. Credit for this course may be counted either in English or Bible.

Room 15 8:00

BIOLOGY

Professor Cutler

1. Economic Botany. This course includes the study of all plants which are useful either directly or indirectly to the human race. Food values, medicinal properties and ornamental uses of plants will be considered. These plants will also be studied as to geographical distribution, methods of cultivation and yield. The course is well adapted to teachers and students interested in Nature Study. No laboratory work. Room 37 8:00

2. Physiology. This course covers the fundamental principles as well as the recent advances and discoveries in Physiology. Lectures and recitations. Room 32 9:00

3. Entomology. A study of insects, beneficial and detrimental, in relation to agriculture in its broadest sense. Some species are markedly beneficial, others are destructive, and it is necessary to know which insects to protect as well as which ones to destroy. Lectures, recitations and field excursions.
Room 32 10:00

4. First Aid and Hygiene. See under Physical Education.

CHEMISTRY

Professor Engle

Mr. Engle

Miss Stouder

1. General Chemistry. This is an introductory course designed to familiarize the students with the principles of the science and to secure a foundation for more advanced work. Laboratory work is required. Students desiring additional laboratory work may also take the course in Qualitative Analysis.
Science Hall, Room 26 10:00

2. Qualitative Analysis. This is a practical study of the methods of chemical analysis. It is strictly a laboratory course and involves the analysis of a number of mixtures.
Science Hall, Room 26 8:00

3. Quantitative Analysis. This is a laboratory course in which the student is given practice in the quantitative determination of the metals and acids, and in the analysis of ores, etc. Science Hall, Room 26 8:00

4. Sanitary and Household Chemistry. A study of the relation of Chemistry to health and hygiene. The course includes a study of ventilation, water supply, cleaning agents, dis-

infectants and antiseptics, foods and food values, and dietaries.

Science Hall, Room 26 11:00

5. Organic Chemistry. A brief introductory course in Organic Chemistry will be offered. Parts of *Organic Chemistry* by Perkin and Kipping will be used as text.

Science Hall, Room 26 9:00

6. Food Analysis. A laboratory course in organic analysis covering the analysis of foods, and the detection and estimation of adulterants.

Science Hall, Room 22 10:00

THE SCIENCE HALL

EDUCATION

Professor Sexson

Assistant Professor Phillips

Assistant Professor Hamilton

Assistant Professor Carson

1. History of Education. This course covers in outline the history of education from savagery to the present time. The aim of the course is (1) to show that the educational ideals and practices of an age have grown out of general social and industrial conditions; (2) to view present school problems in the light of the past; and (3) to awaken an appreciation and enthuaism in the teacher for the work which he has entered upon as a career. Emphasis will be placed upon great movements. Eminent reformers will be viewed as human agencies through which social ideals seek expression.
Assistant Professor Phillips Room 28 8:00

2. Principles of Education. This course contemplates a study of educational principles under the following heads; the biological aspects of education; the physiological aspects; the sociological aspects; and the psychological aspects. The work, therefore, forms a general introduction to the field of education.
Assistant Professor Phillips Room 28 10:00

3. School Administration. A study of the problems involved in establishing, building, equipping, managing, and administering schools. It is designed to fit the needs of superintendents, principals, supervisors, county superintendents and those concerned with problems of administration, supervision and inspection. Class room teachers should not confuse this course with the one in class room management. Text: Cubberley, *Public School Administration.*

Professor Sexson Room 25 9:00

4. Methods in Primary Education. This course will cover the work of the first and second grades. Emphasis will be placed upon methods in reading, phonics, oral language, spelling, and arithmetic. Special attention will be given to group work, individual differences in power, definite standards to be attained, supervised and unsupervised work, and the social group. Collateral reading.

Assistant Professor Carson Room 15 11:00

5. Methods in Intermediate Grades. This course will study the educational principles and methods of instruction in the intermediate grades. The aim of the course is to consider the methods and place a value upon such subjects as oral and silent reading, oral and written English, civics, history, geography and arithmetic. A study will be made of the recitation, directed study, definite standards of attainment, class management, waste of time, grading pupils, differences in power, and the social group. Collateral reading.

Assistant Professor Carson Room 15 10:00

6. Junior High School. This course will show the conditions and motives which have produced the junior high school; sketch its historical development; consider the educational and administrative principles which must determine its future growth; define the junior high school in terms of teaching; methods, and content; show the reasons for this reorganization in the education of the adolescent child, and the changes which this has brought about in the curriculum to meet the needs of the seventh, eighth and ninth grade pupils; and determine the best way to provide for individual differences, and to establish the articulation with the elementary and senior high schools. All administrative problems affecting the junior high school will be discussed, especially those dealing with the teaching staff, qualifications of teachers, the technique of supervised study, methods of instruction and discipline peculiar to the adolescent pupil, school organizations and activities, the value of electives, educational guidance, prevocational work, its exploration and direction,

provisions for accelerated or retarded pupils, economy of the junior high school plant, and the results of the organization.
Assistant Professor Hamilton Room 20 11:00

7. Educational Sociology. The object of this course is to study society from the educational viewpoint in order to secure a better adjustment of the school to society. The progress which has been made in the fields of Psychology and Sociology has broadened our concepts of the school and its importance to the community. The school should play an important part in the betterment of social conditions and this course will study these possibilities. It will cover the subjects of social movements, social institutions, and social measurements.
Assistant Professor Phillips Room 28 9:00

Educational Psychology. See under Psychology.

Public School Music. See under Music.

Practice Teaching. See under School of Practice Teaching.

School Room Management. To be taught in connection with the School of Practice Teaching.

ENGLISH

Professor Whaler

Professor Cressman

1. English Composition. A practical course in writing English prose. Each student is expected to hand in short themes, weekly or oftener, in order to have the benefit of individual criticism and suggestion for further improvement. Stress is laid not only on the larger elements of planning but on paragraph and sentence structure. This course, the equivalent of English 30, is not a repetition but a complement of the course offered last summer, which corresponded to English 29. Thus by the present schedule, in any two consecutive summers a student can fulfill the English Composition requirements. But both courses are so arranged that neither course is prerequisite to the other. The University Freshman textbook, Greenough and Hershey, *English Composition,* will be supplemented by lectures and discussions.
Professor Whaler Room 24 11:00

2. Introduction to the Study of English Grammar and Language. A lecture-course, intended to be of use to students and teachers of all languages. The following subjects will be treated: The origin of our alphabet; the relation between speech and writing; changes in

(Continued on page 17)

DENVER

The Gateway

To 12 National Parks and 32 National Monuments

Officially Recognized by the United States Government

These natural, historic and scenic wonderlands, owned and maintained by the United States, are a free vacation land for rest and recreation.

You can plan a series of trips from Denver extending over a period of from one day to three months, seeing something new and interesting every day while enjoying cool, invigorating mountain breezes and sunshine in the scenic wonderland of the world.

By rail and auto through beautiful canons and over mountain tops visitors can get right into the Colorado Rockies and visit Rocky Mountain National Park, Denver's Mountain Parks, and Mesa Verde National Park.

DENVER HAS 252 HOTELS AND OVER 400 MOUNTAIN RESORTS WHERE ACCOMMODATIONS CAN BE SECURED TO FIT ANY POCKETBOOK.

Wishing Well—Denver Mountain Parks

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Camping—Rocky Mountain National Park

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Vista—Clear Creek Canon

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Picnicking—Harmon Falls

COLORADO
Mountain Trips from Denver

In one hour over concrete road the visitor is in Denver's beautiful Mountain Parks, traveling over good roads, through canons and over mountain tops. Mount Evans area and Idaho Springs in two to three hours, and Rocky Mountain National Park in four hours.

Scenic Railroad Trips

One-day trips to Platte Canon, Moffat Road and the famous Georgetown Loop trip.

Automobile Trips

Denver has a variety of short automobile trips. Visitors can engage autos or drive their own cars in safety and comfort to:

Bear Creek Canon
Clear Creek Canon
Mt. Vernon Canon
Turkey Creek Canon
Platte Canon
Elk Creek Canon
Jarr Canon
Happy Canon
Boulder Canon
North St. Vrain Canon
South St. Vrain Canon
Big Thompson Canon
Devil's Gulch
Golden Canon
Coal Creek Canon
Poudre Canon
Ute Lookout Trail
Buffalo Bill's Grave
Berthoud Pass

Let us help you plan a Colorado trip. For literature, road maps and full information, write

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DENVER TOURIST BUREAU

505 Seventeenth St. Denver, Colorado

BRANCH BUREAUS
Chicago, St. Louis, Kansas City, Los Angeles and Colorado Springs

pronunciation, spelling and meaning; the relation of English to other languages, modern and ancient; the classification of languages; the origin of language; the acquisition of speech by the child; uniformity in terminology of English grammar; the parts of speech; and why we speak as we do. Open to all students.
Professor Cressman Room 26 10:00

3. Shakespeare as a Playwright and as a Poet. An appreciative study of two comedies, two histories, and a tragedy. The plays for 1920 are, *Much Ado About Nothing, The Tempest, Richard II, King John,* and *King Lear.* Though reference will be made to Elizabethan social and literary conditions, as well as to pre-Shakespearean drama, attention will be chiefly directed to plot and character in the plays assigned. Since the course this year is in no sense a repetition of that offered last summer, credit will be given to students who have had a previous course in Shakespeare. Handbook: Neilson and Thorndike, *Facts About Shakespeare.* The Arden series, Hudson, or Rolfe editions of the plays are recommended.
Professor Whaler Room 24 10:00

4. Tennyson and Browning. The study of Tennyson as poet and artist, and of Browning as interpreter of life. Lectures and class discussions. In addition to studying a number of representative selections, this course aims to stimulate the student to read more widely and appreciatively the contemporary Victorian poets. A general knowledge of English literature is desirable, but not prerequisite. Text: Page, *British Poets of the Nineteenth Century.*
Professor Cressman Room 26 8:00

5. American Literature since 1870. A study of New England, metropolitan, southern, and western poets and essayists, and the development of the novel and short story since the Civil War. By comparison with other writers of the English-speaking countries during this period, effort is made to discover the distinctively American element, and to distinguish between provincial and national traits. Lectures, class-discussions, and reports.
Professor Whaler Room 26 9:00

6. English Bible as Literature. See under Bible.

FRENCH

Professor Thierry

1. Elementary French. This course is intended to serve as the foundation for the practical study of French. It consists of the study of pronunciation, elementary grammar, and the reading and translation of a simple text, and

oral and written exercise. Textbook: De Sauze, *Cours Pratique de Francais Pour Commencants.*
Room 29 11:00

2. Modern French. A practical course which can be used as a review or as a preparation to teach French. Mondays and Wednesdays, dictation, review of grammar, composition; Tuesdays and Thursdays, reading, pronunciation and conversation; Fridays open for questions, discussion and review. No textbook required.
Room 29 10:00

3. French Conversation. The aim of this course is to enable the students to make use of the language studied in other classes. It will consist of oral drill, correction of pronunciation, and a study of idioms. This practical course should be useful and attractive to anyone wishing to speak French in the classroom or for business purposes. No text.
Room 29 9:00

Any regular course in French language or literature, the essentials of which can be taught in six weeks, may be given if warranted by a sufficient demand.

HISTORY

Professor Duncan

1. American History. The formation of the Union, 1760-1800. This will be a study of the causes of the Revolution, the Revolution, the critical period, the formation of the Constitution, and the beginnings of our national government. The social and economic conditions will receive special attention.
History Building 10:00

2. The World War. This course will discuss the causes leading up to the war and trace the military and naval operations during the struggle. Attention will be paid to the influence of the war upon the domestic politics of the belligerents, and the changes following the treaty of peace.
History Building 11:00

3. The Government of Modern States. A study of the fundamental principles underlying the problem of government. Among the subjects considered will be: The nature of the state, types of government, establishment of governments, powers of government, and organization of the several branches of government. History Building 9:00

4. History of Education. See under Education.

LATIN

Professor Cressman

Latin Reading and Writing. This course is intended for those who wish to review the es-

sentials of Latin grammar by careful practice in prose composition and by the reading of some standard Latin author. Livy will be the author read unless the class prefers some other.

Room 26 9:00

MATHEMATICS

Professor Russell

The following courses are selected from those given during the regular school year. The courses in Trigonometry and Advanced Algebra are required for graduation.

1. Plane Trigonometry. Text: Robbin, *Plane Trigonometry.* This course covers the use of logarithms, the solution of trigonometric equations, the solution of the right and oblique triangle, the development of all formulas used, and other topics usually taught in such a course. Room 27 10:00

2. Advanced Algebra. Text: Wells, *College Algebra.* This course is for students who have gone as far as quadratic equations in a high school course. It reviews in a college text the topics of the first year high school Algebra and takes in advance the theory of quadratic equations. Room 27 8:00

3. College Algebra. Text: Wells, *College Algebra.* This course is for students who have had one and one-half years of high school Algebra or its equivalent. It covers simultaneous equations involving quadratics, proportions, progressions, the binomial theorem, undetermined coefficients, permutations and combinations. Room 27 9:00

4. Plane Analytical Geometry. Text: Smith and Gale. This course is for students who have had the above courses in Trigonometry and Algebra. It covers the topics usually taught in any elementary course in Analytical Geometry. Room 27 11:00

5. Differential Calculus. Text: Granville. This is for students who have had all four of the above courses in mathematics.

Room 27 11:00

MUSIC

Professor White

The demand for teachers of Public School Music is much greater than the supply. School Boards have had great difficulty in finding teachers trained in this subject, and are offering increased pay to those capable of teaching it.

1. Methods: This course studies the methods for the kindergarten and the grades, and includes tone-matching, tone-plays, methods of the Rote Song, the "eye-rote" work, sight-sing-

ing for all the upper grades, ear-training, time and rhythm, the changing voice, and part-singing in the upper grades.

Science Hall, Room 15 8:00

2. Musical Structure. This course covers the elements of music, and includes elementary harmony, ear-training, the entire structure of the musical material that can be used in the elementary and high schools, the musical structure of time and rhythm, and the grammar of music presented entirely from the musical and educational standpoint.

Science Hall, Room 15 9:00

3. High School Methods. This course includes the direction of the high school orchestra, the high school glee clubs for both boys and girls, the high school harmony class, the high school mixed chorus, the high school musical appreciation classes, and their correlation with other subjects.

Science Hall, Room 15 10:00

4. Musical Appreciation and Applied Psychology. This course will cover the large field of Music and will include its development from the folk song into the sonata and symphony, the art-song form, the opera of all countries, the dance forms, the national music, and American music. All these will be especially studied from the standpoint of "How to Listen," "What to Listen For," and the great correlation of Music with all other cultural and educational processes of education. The course will be based upon Colvin, *Learning Process,* and Seashore, *Psychology of Musical Talent.* It is quite necessary that these two views of Music be considered and treated as one course.

Science Hall, Room 15 11:00

Twice each week at 12:00 noon lectures on General Musical Appreciation will be given, which are open free of charge to all students of the Summer School. These lectures will be on a very large and broad basis so that everyone attending may receive the maximum benefit from the educational and cultural standpoints.

Students who complete the entire four courses and attend the twelve lectures on General Musical Appreciation will receive the University of Denver certificate showing satisfactory completion of this work.

PHILOSOPHY

Professor Dickinson

1. Introduction to Philosophy. This is a course concerned with the more practical and less technical aspects of philosophy. The fol-

lowing topics are representative of the ones discussed: the ethical aspects of habit; the relation of the individual to society and the state; the progress of civilization; the nature and function of art, thought, and language; knowledge and its validity; ultimate reality; the eternal values.

Room 13 10:00

2. American Philosophy. A consideration of the thought of our own country as found in the field of literature as well as in the more distinctly philosophical writings. It consists of a study of the works of such men as Edwards, Franklin, Jefferson, Paine, Emerson, Royce, James, and Dewey, and of such movements as Puritanism, Political Democracy, Deism, Idealism, Materialism, Realism, Transcendentalism, Evolution and Pragmatism.

Room 13 9:00

3. Problems of Conduct. This is a course in practical ethics and takes up the consideration of such problems as the origin of morality, the nature and function of conscience, health and efficiency, the family, fellowship and loyalty, culture, truthfulness, happiness, political purity, industrial democracy, equality and privilege, and world-peace.

Room 13 8:00

PHYSICAL EDUCATION

Miss Hallie Lucile Carter

1. Playground Management (Elementary). This course is planned for people who desire to do school or city playground work. One-half the time will be spent in games and one-half in lectures on playground subjects.

(a) Games: Singing games, running games, simple team games, simple ball games, schoolroom games, volley ball, basketball, indoor baseball.

THE GYMNASIUM

(b) Lectures: Psychology of play; Playground equipment; Playground discipline; Playground activities other than games; how to teach games; play festivals; simple costuming; school playground organization; required reading. (Two Hours Credit)

Gymnasium 9:00

2. First Aid and Hygiene of School Children.

(a) A short course in Anatomy and First Aid. Dr. Jenette H. Bolles.

(b) Lectures. How to give posture tests; how to give simple physical examinations; how to help children remedy physical defects; use of government charts, etc.

(Two Hours Credit.)

Gymnasium 10:00

3. General Course. This course is designed for personal development and recreation, and is open to all. Much helpful material for teachers will be given, especially in suitable Folk Dances for entertainments, etc. The work will be arranged as follows:

Ten Minutes—The latest in Marching Tactics to develop good carriage, precision, alertness, and to reduce reaction time between command and execution.

Fifteen Minutes—Corrective Exercises.

A few simple corrective exercises, such as one dealing with children can use, will be given both to bring about goor posture in the student and to give a store of material for future use. A brief explanation of the value of the exercises will be given.

Twenty-five Minutes — Singing games and Folk Dancing. Only tried and successful dances will be used. (One Hour Credit.)

Gymnasium 11:00

Gymnasium suits and slippers are required for courses 1 and 3 in Physical Education. Plain white middies, full black bloomers and black slippers are suggested for women.

NOTE: Students completing courses 1, 2, and 3, are entitled to a Playground Certificate.

Denver has one of the best developed playground systems in the country. Students will be given ample opportunity to observe the actual working of the Denver playgrounds, as all of them will be in full swing during the summer.

PHYSICS

Professor Nyswander

1. General Physics. Electricity and Magnetism. Experimental lectures, recitations and laboratory work; three class periods and two

laboratory periods per week. This course is a part of the regular year's work in General Physics, and is recommended to those who are teaching or preparing to teach Physics in the high school.

Science Hall, Room 16 8:00

2. Modern Physics. The progress in physical science in recent years has been very rapid and this course will have as its object the discussion of recent theories, many of which have not yet found their way into our textbooks on General Physics. Comstock and Troland, *The Nature of Matter and Electricity,* will form the basis of this work and will be supplemented by outside reading.

Science Hall, Room 16 9:00

3. Mechanical Drawing. Those electing this course may choose between two classes of work, elementary mechanical drawing, and engineering drawing. The former is especially adapted to the requirements of those preparing to teach mechanical drawing, while the latter is more specific in its scope.

Science Hall, Room 13 10:00

PSYCHOLOGY

Professor Sexson

Assistant Professor Hamilton

1. Educational Psychology. A study of the Laws and Principles of Psychology and their application to pedagogical problems. The course will seek to develop ability to examine a suggested pedagogical method, to discover the psychological elements involved, and to test the conformity of the procedure to the laws of psychology. It will also attempt to outline certain objectives in concrete educational activities and to devise psychological methods of attaining these objectives. A knowledge of elementary psychology and elementary pedagogy is prerequisite. Text: *How to Teach* by Strayer and Norsworthy.

Professor Sexson Room 25 10:00

2. Psychology of Adolescence. The main purpose of this work is to reach a better and more sympathetic understanding of the mental and physical life of the adolescent. Special emphasis will be given to the physical, intellectual, emotional, moral, and social characteristics of adolescence, and to the educative activities of this period as related to the demands of actual school work.

Assistant Professor Hamilton Room 20 10:00

3. Measurements and Tests. A study of the problem of measurement in education. The course will consist of the following studies: (a) The origin and developments of measure-

ments and tests; (b) a detailed study of intelligence tests, including the Terman Revision of the Binet-Simon Tests, the Army tests, and recently developed group tests for use with school children; (c) a study of measurements, scales, and tests devised to measure class-room products. Texts: *The Scientific Measurements of Class-Room Products* by Chapman and Rush; *The Measurement of Intelligence* by Terman.
Professor Sexson Room 25 11:00

Musical Appreciation and Applied Psychology. See under Music.

PUBLIC SPEAKING

Acting Professor Leach

1. Educational Problems in Reading. This course is intended to assist the teacher to improve his own reading and to secure better results from his teaching of reading. It includes a study and application of the technique of expression in oral interpretation. The course also gives practical aid for the actual production of high school plays.
Room 23 8:00

2. Principles of Expression. This course is a study and application of the fundamentals of voice and action in formal discourse, leading to effective public address. Frequent opportunity is afforded the student to present from the platform the selection used as a study. The aim is to advance by discovery and helpful suggestion rather than by adverse criticism.
Room 23 10:00

3. Effective Speaking. A study of the ends of speech; as clearness, impressiveness, belief, action, and their influence upon the nature and character of the address. With these ends in view, it includes selection and arrangement of material into original speeches, and presentation of these speeches from the platform.
Room 23 9:00

SPANISH

Miss Bohannon

1. Elementary Spanish. This course is intended to serve as the foundation for the practical study of Spanish. It consists of the study of pronunciation, elementary grammar, the reading and translation of a simple text, and oral and written exercises. Textbook: Cherubini, *Curso Practico de Espanol Para Principiantes.*
Room 36 11:00

2. Modern Spanish. A practical course which can be used as a review or as preparation to teach Spanish. Mondays and Wednesdays, dictation, review of grammar, and composition;

Tuesday and Thursdays, reading, pronunciation, and conversation; Fridays open for questions, discussion, and review. No text book required. Room 36 10:00

SCHOOL OF PRACTICE TEACHING

Principal Cluxton

The School of Practice Teaching, operated in connection with the Summer School, affords an excellent opportunity to students of the University to secure practical experience in regular school-room activities at the same time that they are completing their collegiate professional training in Pedagogy and Psychology. It is under the direction of Principal H. T. Cluxton, who is in charge of the Cheltenham School and who is one of the most successful grade principals in Denver.

The organization and supervision of the School of Practice Teaching are such as are found in any up-to-date school. Principal Cluxton, from his extensive experience, is very helpful in correcting faults of presentation or discipline and in making suggestions which will help the new teacher to avoid many mistakes. The school has been maintained for many years and has proved of great benefit both to student teachers who have received their initial training in it and to pupils.

Each week the Principal will hold three thirty-minute meetings with the corps of teachers, in which specific problems of general interest arising directly from the experiences of the class room will be discussed. Bagley, *School Room Management*, will be used as reference. Each student-teacher will be required to present a written report on some phase of the work accomplished in the class room or conference during the term.

This course in Practice Teaching is one of the studies required of graduates who are candidates for the Teachers' Life Certificate granted by the State of Colorado.

GRADE SCHOOL PUPILS

The Practice Teaching School of the Summer School offers instruction in all of the subjects taught in the Public Schools from the third to the eighth grade inclusive. The school is well attended by pupils from the Denver public schools, as it offers opportunity for them to make up work in which they have failed or to do advanced work. The tuition charged for pupils in this school is $2.00 for a term of six weeks.

Lectures

PROFESSOR WILLIAM ALFRED WHITE

A series of twelve lectures on General Musical Appreciation.

Mondays and Wednesdays, 12:00 noon.

DR. GEORGE BEDELL VOSBURGH

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